

CARPENTER

A student who has completed Job Corps' Carpenter program is trained and ready to work in this field. To complete a trade, the student must learn the academic and vocational skills required for graduation. Job Corps students also learn good work and personal habits, preparing them for life after Job Corps. To complete the Carpenter program, a student must master skills in the following categories:

Carpentry Helper, Level I

GENERAL SAFETY

Take appropriate safety measures; follow fire safety rules; wear proper safety clothing and personal protective equipment.

MATH

Perform carpentry-related math operations and measurements; calculate square foot and linear measurements; square corners using the Pythagorean Theorem.

TRADE TERMINOLOGY

Identify the components of floor framing, wall framing, types of roofs, roof framing systems, insulation, roofing materials, flashing, roofing felt underlayment, skylights, roof vents, siding and exterior finish systems, exterior trim components; identify different types and sizes of doors, windows, drywall, forms and components.

HAND AND POWER TOOLS

Identify and use all carpentry hand and power tools.

LADDERS AND SCAFFOLDING

Select and safely use ladders and scaffolding.

LUMBER IDENTIFICATION

Identify sizes and types of framing lumber, lumber defects, types of floor, wall and roof sheathing, and trim molding.

FASTENERS

Identify nail and screw types, masonry fastener types and other construction fasteners.

Carpentry Helper, Level II – Finish Carpentry

(Level I skills plus the following:)

DOORS AND WINDOWS

Install a pre-hung door; set a metal door frame; install door hardware and window units.

INTERIOR TRIM

Install castings, moldings, base, etc.

Carpentry Helper, Level II – Form Work

FOOTING FORM

Build and strip footing form.

WALL FORMS

Erect and strip a wall form.

COLUMN AND PIER FORM

Build a strip column and pier form.

Carpentry Helper, Level II – Framing

JOISTS AND SUBFLOORING

Lay out, cut and install floor joists; frame a floor opening; install bridging, blocking and subfloor sheathing.

WALLS AND PARTITIONS

Frame walls and partitions with window and door openings; install backing for fixtures and cabinets; raise, align, plumb and brace walls and partitions; install wall sheathing.

RAFTERS AND TRUSSES

Identify components of roof and truss system; cut and frame ceiling joists and rafters; install and brace pre-engineered roof trusses; install roof sheathing.

Carpentry Helper, Level II – Metal Studs, Drywall and Ceiling

METAL STUDS

Lay out and install metal studs with rough openings.

DRYWALL

Lay out, cut and install drywall on walls and ceiling; install accessories (j-mold, corner mold, etc.).

CEILING

Lay out, level and install suspended ceiling.

Carpentry Helper, Level II – Roofing

REGIONALLY SPECIFIC ROOF COVERINGS

Install roofing substrate; install finish roofing materials.



JOB CORPS
SUCCESS LASTS A LIFETIME.